

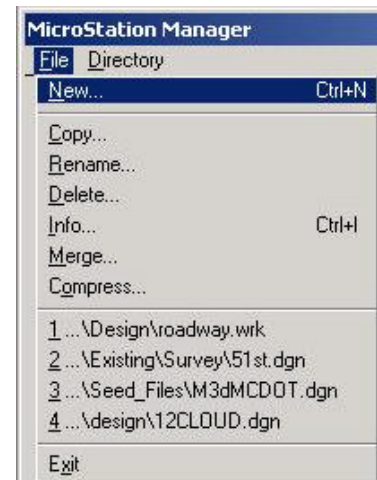


InRoads SelectCAD

The new InRoads platform, called SelectCAD, has many changes. These changes are not only to the graphic user interface (GUI), but the addition of new commands and improvement of the current commands previously available in the mdl based InRoads. This new platform is not mdl based, like the last version (7.01). As a result, InRoads is not proprietary to MicroStation anymore. InRoads can now work with AutoCAD and still maintain the ease of use and original methods. For this document, we shall work through an entire civil design. The job is going to be a basic widening job with a small intersection. Starting with verifying the survey data, we shall then work in vertical alignments, superelevations, roadway templates and libraries. Once the model of the proposed surfaces has been run and the dtms created, we shall derive volumes using cross sections, and create plan and profile sheets. We shall also create a quantities sheet using Microsoft Excel and MicroStation. While these are not all of the steps involved in the design of a job, these are the main steps that involve InRoads.

- 1) Begin by double-clicking on the **InRoads** icon on the desktop or by selecting **Start>Programs>Intergraph Civil Engineering>InRoads SelectCAD> InRoads SelectCAD**.

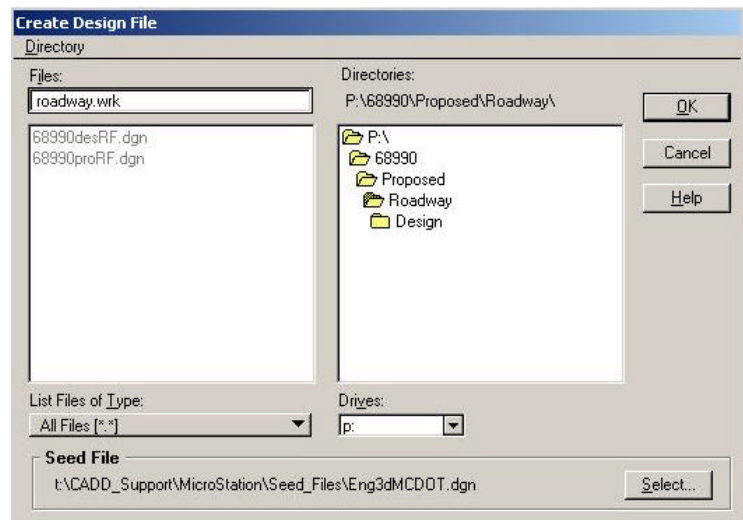
? The **MicroStation Manager** dialog box appears.



- / The first step is to create a new design file that can be used for the plan and profile creation.
This file will be the main roadway design file.

- 2) Change the directory to **P:\68990\proposed\roadway\design** and select **File>New...**

? The **Create Design File** dialog box appears.





- 3) Click on the **Select** button in the **Seed File** area and select **T:\CADD_Support\MicroStation\Seed_Files\ M3dMCDOT.DGN** as the seed file.
- 4) Verify that the directory is **68990\Proposed\Roadway\Design**. Enter **roadway.wrk** in the file name field and click on **OK**.

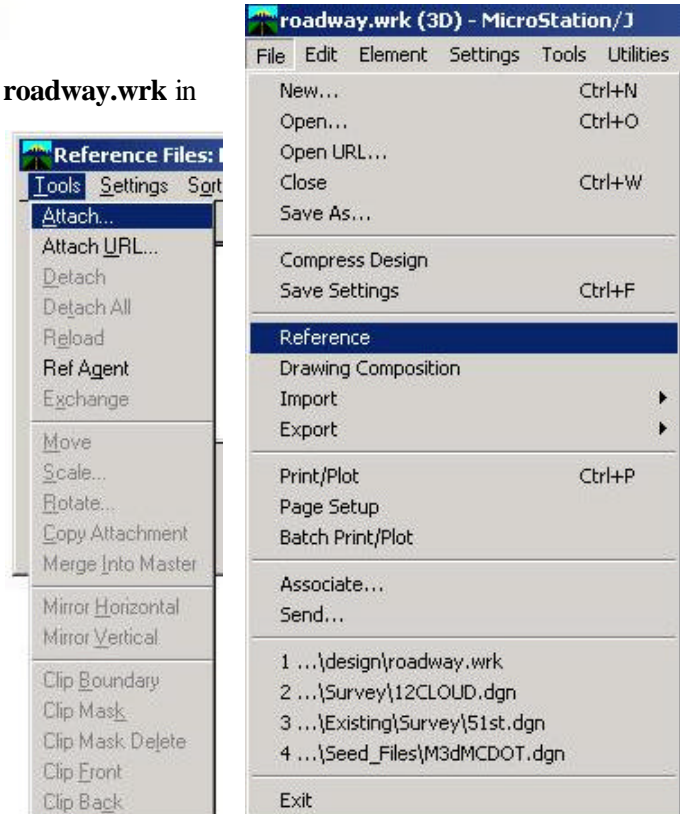
? This will create the design file **roadway.wrk** in the specified directory and return to the **MicroStation Manager** dialog box.

- 5) Click **OK** to enter the design file.

/ The next process shall be to reference the survey design file into the current file.

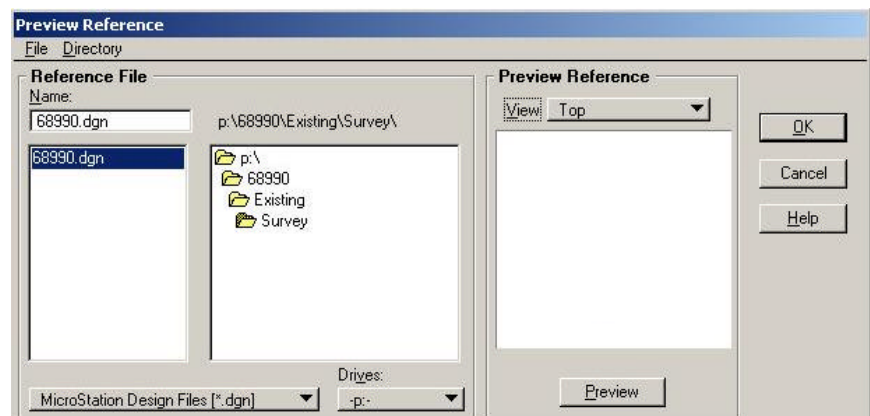
- 6) Select **File>Reference**.

? The **Reference Files** dialog box appears.



- 7) Select **Tools>Attach**.

- 8) The **Preview Reference** dialog box appears.





9) Change the directory to **P:\68990\Existing\Survey** and double-click on **68990.dgn**.

? The **Preview Reference** dialog box closes, and the **Attach Reference File** dialog box appears.

10) Enter **51st survey** in the **Logical Name** data field and click **OK**.

? The **Attach Reference File** dialog closes, and the survey file is attached to the document.

| Name | Description |
|------|-------------|
| 1 | 1 |

11) Click on **Fit View** in the lower right corner of the view window to bring the reference file into full view.

